



66 Years of DX-cellence

August 2014



*"If you need him get  
in there and work  
him"*

The Southern California DX Club is a group of dedicated men and women active in the amateur radio community who enjoy communicating over the air with other radio amateurs around the world.

The SCDXC strongly supports the DX Code of Conduct. Please visit their website:

[www.dx-code.org](http://www.dx-code.org)

The newsletter is published every month and is released to its members about the first of each month. Amateur and DX related letters, news and pictures are welcome and will be published as time and space permit.

Articles may be republished with the recognition of the author and the club. Reuse of copyrighted materials require the original author's permission.

Any questions regarding this newsletter or its articles should be addressed to the editor, Jerry:

[K6QU@scdxc.org](mailto:K6QU@scdxc.org)

Meetings are held on the second Thursday of the month at 7:30 PM except April, June and December.

Please check the club web site for events and details at:

<http://www.scdxc.org>

If you are in the area please say hello on our repeater:

**W6AM/R145.48,(-) 100Hz PL**



**The Summer Bash is August 17th**  
**At the home of Wayne and Sharon Spring**  
**1243 FAIRWAY DR**  
**ORANGE, CA 92866**

**August meeting May 14th—Speaker Mel Hughes**

## **— IN THIS ISSUE —**

**The Prez Says:** Wayne Spring, W6IRD

**Veep Speak:** George Jacob, N6VNI

**Non-editorial comments from your editor**

**Editorial:** Jerry Lewine, K6QU: YI1RZ

**The July meeting:** Highlights, pictures

**SCDXC & SCCC Packet Cluster Node K6SY:** Mel Hughes, K6SY

**The Future of DXpeditions:** Paul Ewing, N6PSE

**An Investigative report on the Choices Event:** R. F. Burns

**Sunspots and the Terrestrial Broadcast Engineer:** Donald E. Kolbert, W0HKL

**Tidbits:** More than just interesting information

**Letters to the Editor, worth reading**

**Equipment wanted and for Sale:** Two pages! Buy some stuff!

**Meet the Member:** Will return next month

**Contests and more!** John Schroeder, N6QQ

**A look at all 23 Solar Cycles:** Carl Luetzelschwab K9LA

**The Let's Get Schroeder Contest:** Bill Kendrick, N6RV

**SCDXC Clublog Lifetime Standings:** Bill Kendrick, N6RV

**DX Accomplishments:** Bill Kendrick, N6RV

**Upcoming DXpeditions, zzzzz**

**Birthdays!**

**Ham Radio Programming**

**VE Testing Information**

**SCDXC Directors**

**THE PREZ SEZ**  
**Wayne Spring, W6IRD,**  
**President – SCDXC**  
**[W6IRD@scdxc.org](mailto:W6IRD@scdxc.org)**



**THE PREZ SEZ**

July presented itself with so many happenings. Some good – some bad – some interesting. I'm not going to mention any of the bad. The interesting was what happened at the Choices Restaurant where several of our members meet prior to the monthly meeting at WEMS. Suddenly there was a noise of glass shattering, which turned out to have occurred as a result of a foreign body being thrown up by a passing car. It sounded more like a bullet hitting. The glass was taped, and our dining continued. Some were a little unnerved. Speaking of Choices, it is a small restaurant that loves to cater to their customers. The food is good, and we always leave feeling good that we were there. If you haven't dined there with us, please show up and see for yourself. We usually start arriving about 5:00 pm. Some come a little later.

As for the good, during last month's meeting, a unanimous vote was taken to raise the annual dues to \$24 a year starting January '15. Marty Woll, N6VI was our guest speaker, and he did a great job telling us how it is working DX pileups from the other side. It is hard to imagine trying to pull out a call-sign with the noise level being as one would expect working a pileup. If you have never done it, it was interesting to hear Marty tell about it. At the completion of his presentation, the SCDXC was proud to hand him a check for \$4,515. for the Amateur Radio Antenna Defense fund. Someday, hopefully, the antenna restrictions that a lot of us have to deal with will be mitigated or thrown out and we will be able to operate from our home.

The FT5ZM, Amsterdam Island QSL cards are starting to arrive. Those on LOTW probably already have their confirmations. Sharon and I haven't received our cards yet, but the ones I have seen are really nice.

For me, an out-of-the-blue job offer was made to me working for the Dept. of Navy, which I retired from 18 years ago. It is a temporary, 30-day job, but fun to think of having a job again. I also have got to see a lot of the guys I once worked with. So, while I am gainfully employed, even for a short period of time, I am having fun.

I am sure you have marked your calendar for this year's annual Bash, which will be August 17 here at Sharon and my home. Several of our lady members have created a menu that they are sure to please your appetite. Looking forward to seeing you all. Till then, I wish you all good Dxing.

Wayne Spring, W6IRD

**Treasurer's Report**

Club financial information is available on request. Contact the treasurer.

**Officer Guidelines**

The revised version of the Officers Guidelines is available on our website. See the hyperlink below.

**Code of Conduct**

SCDXC endorses the **DX Code of Conduct**. See the hyperlink below.



## VICE PRESIDENT'S CORNER

George Jacob, N6VNI  
Vice President – SCDXC  
[N6VNI@scdxc.org](mailto:N6VNI@scdxc.org)



From the desk of the vice president,

Kris and I are on vacation back east in HARTFORD CT.

We left early for the Long Beach Airport right after having dinner with the members of the club at Choices. It was a good thing we left early, the airport, it was a ZOO with a capital Z. People running here and there and nowhere to sit, I did manage to meet up with Marty N6VI at the ARRL convention to thank him for an outstanding presentation.

After visiting with my mother and sister in Brewster New York we did manage to do something ham related. We were able to attend the 100th anniversary of the ARRL in Hartford CT. What a convention. There were vendors from all over the country attending and a few from out of the country too. There were the regular vendors, HRO, with our own Janet from HRO Anaheim, Kenwood, Icom, Yeasu, Mick from NCG and the list goes on. The Tech talks covered everything from A to Z and then some. And if you did not want to attend the Tech talks you could sit around and watch the people come and go, and even make a new friend or two. We all had one thing in common, we were all HAMS. Kris and I took the bus ride to the ARRL Headquarters. There was someone very special I wanted to meet for the second time and she was there. Both Kris and I got to operate the 17 meter station, I made two stateside contacts and one TI2 in Costa Rica. kris made only stateside contacts. What a thrill to work the call W100AW.

There will be a meeting in August, the date is August 14th at Wem's or better known as Mel's Place. Our guest speaker will be Mel himself. He is going to give us a tour of his company and the robots that assemble some of the item they produce there. There will be a dinner gathering at Choices before the meeting. Last month we had 30 members and guests in attendance. For the month of August lets try for 31 members and guests. The food is great, plenty of it, and the prices are reasonable. So give it a try.

The summer bash is just a few weeks away. This year the bash will be held at the home of Sharon and Wayne Spring. For more information about the bash please go to the club website and then go to the calendar section for the date, time and address. Lets have a great turn out. I know the food is going to be outstanding. Why you might ask? Because I know the gals who are going to do the cooking.

The guest speaker for September will be Dennis Kidder W6DQ. He will be giving the second half of his two part presentation that he gave earlier in the year. The anchors away meeting will be held at the October meeting, so you have an extra month to get your stuff ready.

From Marriott Hotel in Hartford CT. Sunday July 20th 2014 @ 06:00 a.m.

73 and Good DX.

de

George T. Jacob Jr. N6VNI  
SCDXC Vice President.



## New DXer Resources

**New DXers Handbook**

[http://www.udxa.org/attachments/148\\_New\\_DXers\\_Handbook.pdf](http://www.udxa.org/attachments/148_New_DXers_Handbook.pdf)

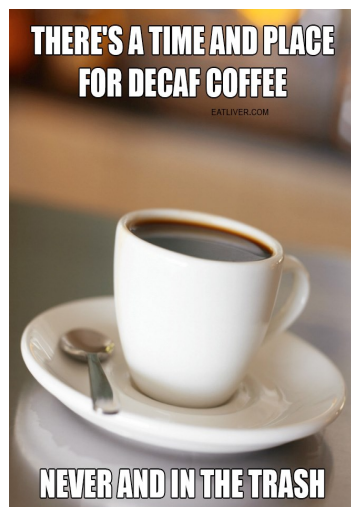


# Non-editorial comments from your editor

Unfortunately I will not be able to attend the meeting on August 14th or the summer bash on the 17th as Sheryl and I will be on the East Coast for a wedding and my (gulp) 50th high-school reunion. I'd appreciate emailed pictures of the bash along with captions so they can be included in the September edition. I'd also appreciate pictures and highlights of the meeting on the 14th. Thanks! Send them to [K6QU@SCDXC.ORG](mailto:K6QU@SCDXC.ORG)

Those of you at the July 10th meeting heard me mention some of what you will read on the next two pages about and from Razi, YI1RZ. Razi told me far more than he would let me publish. We read in the paper and see on the news the overview of what is going on in Iraq but that lacks a personal connection and this will change that to some extent. It is short, but read between the lines of the story and you will have a pretty accurate idea of what it's like to be a ham in Iraq, what caused Razi's current situation, and why he is unable to provide more details. Razi is lucky and happy to be alive.

*A man was on vacation in Kenya . While he was walking through the bush, he came across an elephant standing with one leg raised in the air. The elephant seemed distressed so the man approached it very carefully. He got down on one knee and inspected the elephant's foot. There was a large thorn deeply embedded in the bottom of the foot. As carefully and as gently as he could he removed the thorn and the elephant gingerly put down its foot. The elephant turned to face the man and stared at him intently. For a long minute the man stood frozen - thinking of nothing else but being trampled. Eventually the elephant trumpeted loudly, turned and walked away. For years after, the man remembered the elephant and the events of that day. One day the man was walking through the zoo with his son. As they approached the elephant enclosure, one of the creatures turned and walked over to where they are standing at the rail. It stared at him and the man couldn't help wondering if this was the same elephant. After a while it trumpeted loudly, then it continued to stare at him. The man summoned up his courage, climbed over the railing and made his way into the enclosure. He walked right up to the elephant and stared back in wonder. Suddenly the elephant trumpeted again, wrapped its trunk around one of the man's legs and swung him wildly back and forth along the railing, killing him. Apparently it wasn't the same elephant.*



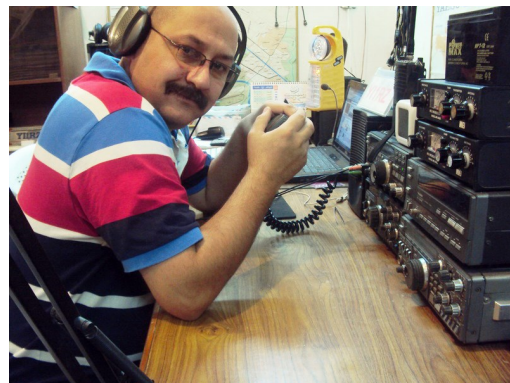
"In retrospect, I could have done more with my lives."





## **Editors Editorial**

**Jerry Lewine, K6QU,**  
**Editor – SCDXC Bulletin**  
[K6QU@scdxc.org](mailto:K6QU@scdxc.org)



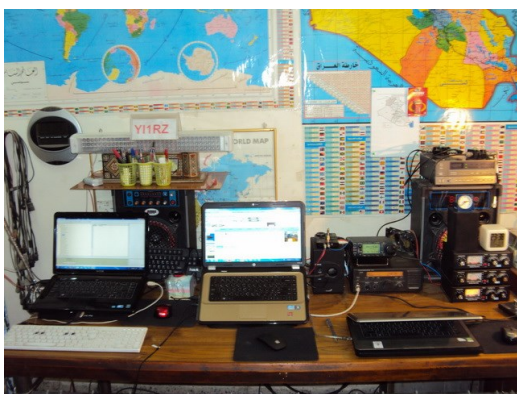
## **YI1RZ**

I missed the YI9PSE DXpedition in 2010, but that was nothing new. I had missed every other operation from Iraq throughout my entire ham career. I have a QSL from the United Arab Republic (a long-forgotten short-lived union of Syria and Egypt) and, like most of us, QSLs from all sorts of other exotic and forgotten places, but for some reason never once had I worked Iraq.

In 2012 I began to see YI1RZ spotted more and more often and was determined to work him. After a year trying with no success, I sent Razi an email. Almost immediately I received a response and after several weeks of back and forth emails and on-air attempts, we were finally able to have a real over the air QSO. And I now not only treasure his QSL card, but the real friendship that has developed as well.



"I became interested in ham radio when I was a kid," Razi emailed me. "At that time (before 2003) the hobby was forbidden. Saddam Hussein strictly prohibited the acquisition of radios for hams and the punishment for those who broke this law could be death. There was just one station for ham radio in just one place in Baghdad. It was YI1BGD, the radio club of Baghdad. In the 1980's and 1990's this radio club was run by hams, but most of them were employed by the intelligence agencies of Saddam Hussein and rather than do what hams around the world do, their job was to provide reports to the security departments on the activities of the amateurs and the stations that were talking with them.



There were some amateurs in the club who stole even the small sums of money that had come in the envelopes containing QSL cards. Iraqi hams were denied contact with amateurs from Israel and Iran, and in some cases they tried to prevent some of the amateurs from communicating with the U.S. This was not a situation I could deal with so I waited. When the U.S army took over the issuing of ham licenses, conditions got better and many became new hams and could join the radio club and one of them was me."

In 2004 some hams held an exposition of amateur wireless devices at the University of Baghdad and it was there that I joined them officially in their 2nd cycle of preparation for new hams. I passed this cycle and got 1st place among 17 new hams. In 2005, after more than a year had passed, I got my first license. My call sign at that time was YI1RAZ. I only had a QRP radio (a battery powered TS-130V running 10 watts) and simple home made fan dipole at that time, but I had many QSO's and I was very happy with this beautiful hobby."

(continued on next page)





“Everything was going well until 2010 when radical Islamic thought began to infiltrate amateur radio in Iraq and one of the hams from the group before 2003 issued a declaration preventing Iraqi hams from having QSOs with hams from Israel or the USA. Some of the hams rejected this decision. I was one of them and challenged it. With some bad hams watching and listening to check who was breaching this decision, I continued making QSO's with Israeli and U.S. stations but on digital modes and CW, not on SSB. In 2011 after the exit of the U.S. Army from Iraq, a very bad phase returned to ham radio in Iraq like before 2003 exactly.”

In 2012 we had new officers for the Radio Club and the Amateur Radio Society but without elections. About that time I bought new radios from the USA. My friend KD5BKW helped me to do that. I sent the money to him to get my new TS-2000X and TM-V71A and he sent it to me via UPS. But the customs office in Iraq would not release the package until they had received approval from the Communications and Media (CMC) office. But the president of our society's response to the CMC was that these radios for RAZI NAJI are not for ham radio but are military. The CMC office confiscated my new radios and about \$2500 was thrown into the sea.”

In 2013 I started to do some projects in Radio Astronomy to receive the decametric emissions from Jupiter and the radio bursts from the Sun on 20.1, 23, 28, 50 and 145 MHz and record these bursts by using the Skypipe software published by NASA, <http://www.radiosky.com/skypipeishere.html>. I am member with SARA team via gmail group, I was using JRC - NRD-545 DSP for Radio Astronomy. Unfortunately some people from our society sent a warrant to CMC in Iraq and told them that there is a ham radio operator whose call sign is YI1RZ and he is using a military JRC receiver for Radio Astronomy science and perhaps this device is also used for the non-scientific purposes of listening to the police and army. Being cautious, I removed all my receivers and antennas for Radio Astronomy.”

This is my story of Ham Radio and some of the problems I have faced in my country. There is more, but it cannot be told.”

Razi was born in Baghdad in 1974, the son of a physician father and a school teacher mother. Although born a Sunni Muslim, he describes himself as “liberal and irreligious.” An electrical engineer, he worked for a company in Baghdad providing internet services over fiber optics, worked with GSM communications and taught calculus. But those days are over.

And you should know that if you haven't yet worked YI1RZ, those days are over as well. Along with his new wife, Razi is now a refugee living in Ankara, Turkey. “I will never go back to Iraq,” Razi told me. “My dream is to start a new life and become a citizen of the United States.”

Let us all hope Razi's dream becomes a reality. As a US ham Razi will enjoy the freedoms we all take for granted in this wonderful country of ours. And he will have to fight like the rest of us to work rare DX like Iraq.



# The July Meeting

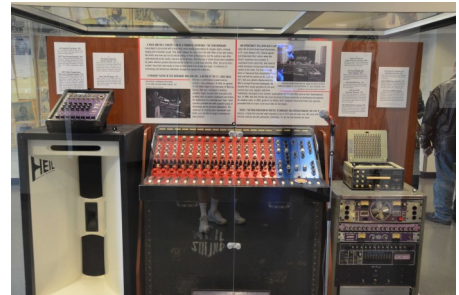


As the first order of business, President Wayne Spring called for a vote on the proposal to raise the dues to \$24/year for individual members. The proposal passed with only two in opposition. The increase will be effective starting in 2015.

Mel Hughes discussed the Packet Cluster nodes and repeater systems. See his article on the next pages.



Skip shared pictures he took in Cleveland's Rock and Roll Hall of Fame which included some early inventions by Bob Heil, K9EID.



Speaker Marty Woll, N6VI discussed what it is like being DX, reviewing his last three multi-multi operations as A73A, E51Z and DX1M.



A check for \$4515 was presented to the Amateur Radio Antenna Defense Foundation from the SCDXC!

# SCDXC & SCCC Packet Cluster Node K6SY

By  
Mel Hughes – K6SY

On Thursday, June 19, just as we were returning to work from lunch, the building lights flickered off and on a few times and then the whole plant went dark. The SCE power failure resulted in a crashed hard drive and a fried mother board in the K6SY DX Packet Cluster Node computer.

I gave Bill Shell, N6WS, a quick cell phone call to discuss the fastest and best way to get the node back up and running. If I sent him another hard drive he'd load it with the operating system and the Spider DX node software and have it back in a day by Express mail. Getting another hard drive wasn't a problem but finding another computer was. WEMS had no usable machine lying around.

It was about then I received an e-mail from Bill suggesting that I consider using Raspberry Pi micro computer. He had just rebuilt W6KK's node using the Raspberry Pi and had another ready to go. All I had to do was connected to the keyboard, monitor, Internet, and plug in the wall wart for power. Bill sent it by Express mail and the Internet access was up and running in short order. Making it work on 2 meters with the old MFJ TNC was a bit of a problem and after a couple of days of trying to get going Bill suggested I go on line and purchase a TNC-Pi. It mounts directly on the Raspberry Pi computer. Once that was installed, everything was up and running. Or so I thought.

I received an e-mail from a user indicating that there was a problem with whole system! His filters no longer worked at K6SY or W6KK. I checked the filters I used for the K6SY voice announcement and the filters I used for the home station, all were working just fine.

Then it occurred to me, the hardware for both W6KK and K6SY had just been replaced. The user's filter information along with the other user information had been lost and needed to be re-entered. All user information is stored at the nodes!

The key point is that the user name, QTH, home node, etc. along with filter information must be entered at each node that you use and for every call you use. Spider treats calls that have different SSID's as different calls, i.e. K6SY, K6SY-1, K6SY-5, K6SY-9 are all different users. Spider will allow you log in to a node once with a call. If you want to be logged in from different locations at the same time, say your home station and your office computer, you will need to log in with different calls or the same call with different SSID's; from home I use K6SY-9, at my office desk K6SY-8, from the lab, K6SY-5 and from the office station, K6SY-1. I use different filters at my desk than from my home station and the office station. This is actually a very useful feature that allows you to have different filters for different contest and modes. Just log-in using the call and SSID with the filters you need for your current activity; no need to keep reentering the filters.



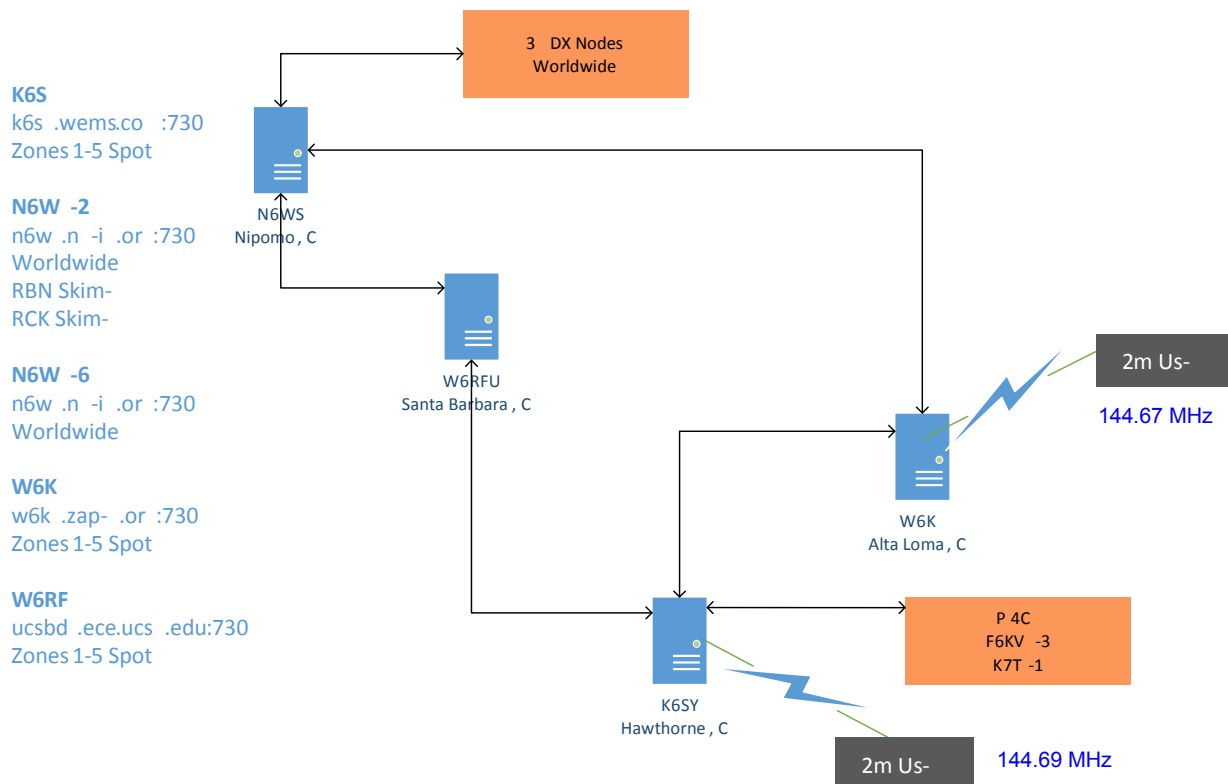


Figure 1. The principal nodes on the SCDXC and SCCC DX Packet Cluster.

Nodes, K6SY, W6KK, and W6RFU are prefiltered and only list spots posted from stations located in CQ Zones 1-5. Node N6WS-6 lists worldwide spots but with filters to reject skimmers. Node N6WS-2 lists worldwide spots and both RBN and RCK skimmers. Only K6SY and W6KK have two meter access. All the nodes run the same software. The spots from CQ Zones 1-5 are the same for all the nodes

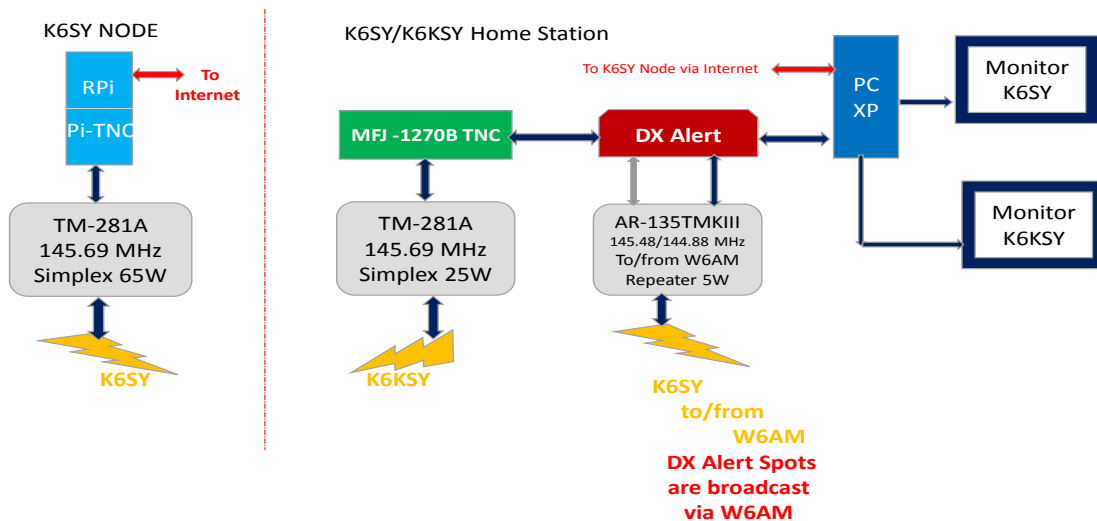


Figure 2. The DX alerts you hear on the SCDXC club repeater come via K6SY.

For the voice announcement on W6AM, only HF spots from CA, AZ and NV are announced and only spots for CQ Zone 3 for VHF.

Accept/spot 1 on HF and by\_state az,ca,nv  
Accept/spot 2 on VHF and by\_zone 3

Why fill your screen with useless spots? Tired of seeing all the spots from w3lpl? Filter them out using the following filter:

Reject/spot 1 by w3lpl

This will reject any spot by w3lpl but let all other spots come through. Working a VHF contest? Why fill your screen with 20 meter spots? Filter them out.

Reject/spot 1 on HF

If you would like to know more about writing filters, log onto

[http://www.dxcluster.org/main/filtering\\_en-4.html](http://www.dxcluster.org/main/filtering_en-4.html)

and download the DXSpider Filtering Primer or pick one up at the next SCDXC meeting.



Figure 3. The K6SY Packet Cluster Node before June 19, 2014



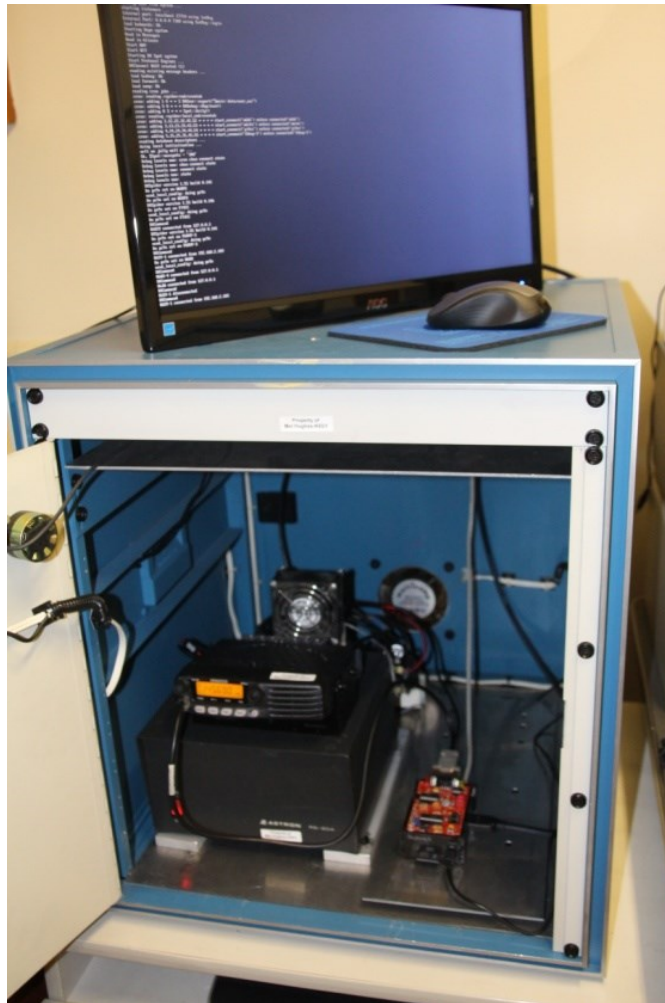


Figure 4. The new K6SY Node with Raspberry Pi computer and TNC-Pi.



Figure 5. The new Raspberry Pi resting on the old Dell PC.

# The Future of DXpeditions... • • • Source: <http://n6pse.wordpress.com/2014/07/07/the-future-of-dxpeditions-my-take/>

## The future of DXpeditions... by Paul N6PSE



Paul N6PSE

I recently read a blog post on DX Coffee by Rich-KY6R about the future of DXpeditions. Rich's entry raised many more questions than answers. I'll try to weigh in on this subject and answer from my own perspective.

I believe the future for Dxpediting activity is good; however I do believe that we will see changes in the duration and kinds of DXpeditions in the future.

It is more costly to charter boats and aircraft now than at any time in the past. This will likely cause some future DXpeditions to "downsize". By that, I mean that instead of 17-20 days they may be only 8-10 days. Instead of a full on Leaderboard Dxpediton with contacts on many bands and modes, the Dxers may have to settle for fewer contacts.

I think the scope and durations of DXpeditions will change. FT5ZM was probably one of the best DXpeditions ever with flawless execution and great fun. I would expect that future rare ones may not be all band/all mode feasts as they are now. Dxers may have to settle for one CW, SSB and Digital contact. I think the days of working a Dxpediton on 20 band slots is coming to an end. Shades of days gone by.

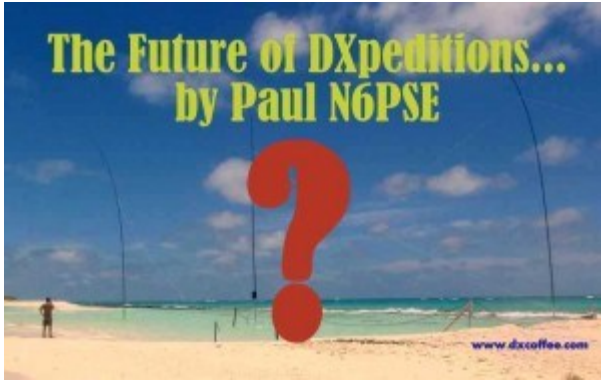
There is more money than ever available to Dxpediton teams, but only for the rarest of places. DXpeditions to destinations out of the top 25-30 most wanted entities will likely be largely self-funded.

It is costly for US led DXpeditions to use the world-wide Bureau system. I think you will see changes there. Recently the Italian Dxpediton Team initiated a \$1.50 OQRS fee to get a bureau card. I support DXpeditions covering their cost such as what the Italian team has implemented. The free ride needs to come to an end. DXpeditions should always accept and return direct cards with SASE or adequate postage. But a bureau card costs a Dxpediton's bottom line and has no possibility to cover even its small cost. Multiply that small cost by many thousands of cards and you can easily spend thousands of dollars to return bureau cards. With LoTW being such a success returning thousands of bureau cards just does not make sense. This tradition needs to change.

It's not just Americans that are busy organizing DXpeditions. Our friends the Russians, French, Spanish, Germans and the Italians are quite busy activating many rare and much needed places. In fact, the Italian Dxpediton Team led by Silvano-I2YSB has been extremely active these past few



The Chinese and Taiwanese are very interested in organizing DXpeditions. Their challenges are primarily cultural in that Chinese and Taiwanese hams generally do not donate their money to support Dxpediton activity. When a group is self-funded it greatly limits what they can accomplish. The UK based Five Star Dxers are about due for another exciting activation. You can bet that Zorro-JH1AJT is working on something exciting!



World-class Dxpediton leaders Ralph-K0IR and Bob-K4UEE are not ones to rest on their laurels. They are hard at work on future ultra-rare activations which they will share with us when they are ready.

There are fine young men that are coming into the ranks of Dxpediton Leaders. I've previously written about Krish-W4VKU and Jon-K7CO. Many of the established Dxpediton Leaders are still quite young, such as James-9V1YC, Antonio-EA5RM, David-K3LP, Greg-W6IZT, Seb-F5UFX and a host of others. We look forward to more operations by Craig-K9CT, Stu-N2TU, Joe-W8GEX, George-AA7JV and Tomi-HA7RY.

The future of DXpeditions will continue to be greatly impacted by Government and environmental restrictions. Governments such as the DPRK (P5) Turkmenistan (EZ) and Eritrea (E3) remain hostile towards amateur radio or freedom and civil rights for their people.

The US Government has become more environmentally restrictive than in years past. KP1-Navasa, KH5K Kingman Reef, KH3, Johnston Atoll and Palmyra Islands remain out of reach for Dxpediton leaders.

I predict that in the future, hams will need to form or hire organizations to lobby on our behalf to open up now inaccessible places. Hams will need a larger voice and more influence to accomplish what was easily done in the past.

There is no shortage of Dxpediton leaders trying to activate the rarest of entities. Eritrea (E3) is regularly visited as is the Democratic People's Republic of Korea (P5). There are world-class Dxpediton leaders that are continuing to try and activate the rarest of islands in the Caribbean and the South Pacific. There are teams working on most of the top 20 most wanted DXCC entities. Some are real efforts and some are "tire kickers". Probably the only entities likely to not see any ham activity any time soon are Syria and Turkmenistan. The situation in the DPRK is difficult to predict however I feel that the Chinese or the Russians may be successful at some point.

There are many bold men willing to go to bold places. Let's wish them well and give them our full support when they are able to announce a Dxpediton to these rare and much needed places.

The future of Dxpediton is good, but like many aspects of the world, it will be changing and more and more DXpeditions must find new ways to cover their ever increasing costs.

What do you think?

# 710 (Choices) Event

An Investigative Report  
by

SCDXC Bulletin Ace Reporter  
R.F. Burns

The sound shattering of glass filled the dinning room at Choices during the pre meeting dinner. The sheriff's department found no evidence of foul play and blamed the incident on a rock or other projectile tossed against the window by a passing vehicle.

I can report that the shattered window was replaced with plywood on Thursday evening and with a new glass panel on Monday afternoon. Choices is now back to operating as normal.

However, this reporter has checked farther into the event, interviewing other diners who frequent Choices. There seems to be a feeling that the event goes beyond the "stray rock theory." The most prevalent theory is that the shattered window is related to the visits to the restaurant by strange space aliens.

Apparently these aliens drive around in vehicles with very strange appendages protruding into the airspace above the vehicles. Some theorize that they may actually be here with the approval of our government as most of these alien vehicles have strange license plates. In hushed tones some are speculating that these vehicles emit strange radio wave that may be responsible for the window failure and that they actually be communicating with the "Mother Ship." On thought they heard them referring to the "Mother Ship" by the code name "Sharon Spring".

This "Mother Ship" theory clearly need additional investigation. Rest assured, your SCDXC Bulletin Ace Reporter R.F. Burns is all over this story.



# Sunspots and the Terrestrial Broadcast Engineer

By Donald E. Kolbert, CPBE, W0HKL

*Used with permission from the author and the Society of Broadcast Engineers (SBE). Originally published in the SBE membership publication, The Signal, June 2014 issue.*

I have always been awestruck by the Northern Lights (Aurora Borealis) and wondered what caused it. It took me over 60 years to find out that sunspots were a part of the process.

Heinrich Schwabe, a German pharmacist and amateur astronomer began observing the dark spots visible on the sun in 1826. In 1843 he noticed that the number of spots varied according to an 11 year cycle. The maximum occurred on the 11<sup>th</sup> year. In 1862, Edward Sabine of England found that magnetic storms followed a similar pattern.

Another amateur astronomer in England, Richard Carrington, documented observations between 1853 and 1863. Carrington was observing a group of sunspots in September, 1859 when suddenly, “two patches of intensely bright and white light broke out.” The patches brightened rapidly and then decayed again. His observation was confirmed, independently, by another English astronomer, Richard Hodgson.

Carrington had seen a solar flare. About 17 hours later, a great magnetic storm erupted with an aurora seen as far south as Cuba. This so called “Carrington Event” was the strongest geomagnetic storm ever recorded and induced such high voltages into telegraph wires and circuits that operators received shocks, telegraph keys melted and circuits operated with batteries disconnected. Astronomers and astrophysicists warn us that if a storm of that proportion hit the earth today, much if not all of its electrical infrastructure could be damaged or destroyed.

Sunspots appear as dark blotches on the sun and are caused by the appearance of cooler (3000 degrees Celsius) areas amidst the roiling gases on the surface (6000 degrees C). These areas are cooler because much of their energy is tied up in intense magnetic fields that are 1000 times stronger than the magnetic fields of the earth.

Solar flares appear as explosive bright spots on the surface of the sun (as experienced by Carrington and Hodgson in 1859). They occur when magnetic energy built up in the solar atmosphere near a sunspot is suddenly released in a burst equivalent to ten million volcanic eruptions. Radiation, including radio waves, X-rays, gamma rays, ultra violet rays and charged particles (electrons, protons and oxygen ions) may strike the earth. Most are deflected by the earth’s magnetosphere.

The outer solar atmosphere, the Corona, is structured by strong magnetic fields. It is a gaseous region and extends millions of miles into space. It is invisible, except during a total eclipse. When these fields are closed, often above sunspot groups, the confined solar atmosphere can suddenly and violently release bubbles of gas and magnetic fields called coronal mass ejections (CME’s). A large CME can be as large as the sun and can contain 10 billion tons of matter. CME’s are sometimes associated with solar flares but usually occur independently. A CME can induce huge amounts of voltage into our earth’s magnetic shield and can damage and destroy power grids on Earth. When a CME collides with the solar wind, the shock wave created can drive super-charged particles into the Northern and Southern Hemispheres and produce an aurora.

We live in a world that has become so dependent on electrical and electronic systems that in the event of a huge geomagnetic storm that destroys our power grid, we may have to return to the ‘horse and buggy’ days or worse. We wouldn’t be able to get a drink of water or flush the toilet, or even drive a motor vehicle without electricity. When a transformer feeding the power grid in the province of Quebec was hit by a geomagnetic storm in 1989, the excessive induced current caused it to melt and the whole province lost electrical power for many days.

The best advice to give to broadcast engineers is to be prepared. You should plan for the worst possible conditions that could affect transmissions, programming, staffing, spare parts, emergency medical and more. Several websites can help you become knowledgeable about space weather.

FM and TV stations shouldn't lose their carriers in a space weather attack unless the power grid goes down. They may lose their programming source if it is dependent on satellites. AM stations, especially those with directional arrays, may have some pattern problems if the ionosphere is upset.

The morning of this writing, a large solar flare burst out of a group of sunspots. It brought with it a strong burst of X-ray and sprayed the ionosphere with excess electrons, protons and ions. HF (3-30 MHz) radio blackouts occurred on the side of the Earth facing the sun. I was able to observe their website to find out what was going on.

The National Oceanic and Atmospheric Administration (NOAA) operates the Space Weather Prediction Center (SWPC) to provide the nation and the world with the information needed to predict the outcomes of a wide range of solar-earth activities. NOAA's task is to monitor the types and amounts of energy being radiated by the sun and what interactions with the earth are taking place. SWPC provides three on-line reports which are important to users who need to monitor existing space weather conditions to determine if they are normal, abnormal but safe, or abnormal but dangerous. These are geomagnetic storms, solar radiation storms and radio blackouts. Depending on intensities, it is possible for more than one to occur simultaneously. Using the three sites together, one can monitor and anticipate space weather that can affect broadcast transmissions.

Space Weather Now, at <http://www.swpc.noaa.gov/SWN/>, provides geomagnetic and solar radiation storm information and radio blackout status. At [www.swpc.noaa.gov/today/html](http://www.swpc.noaa.gov/today/html), NOAA provides today's space weather.

Space weather scales can be found at [www.swpc.noaa.gov/NOAAscales/](http://www.swpc.noaa.gov/NOAAscales/). NOAA introduced these as a way to communicate to the general public the current and future space weather conditions and their possible effects on people and systems.

*Donald E. Kolbert, CPBE lives in Stewartville, Minn. During his 58 year career, Kolbert has worked, instructed and authored in the field of electronics and computers. He retired as Chief Engineer at Minnesota Public Radio, Rochester, Minn. in 2000. He is a member of SBE Chapter 112, La Crosse, Wis.*

# TIDBITS

Tidbit: *noun* \ˈtɪd-, bɪt\

1: a choice morsel of food

2: a choice or pleasing bit (as of information)

## Field Checking of QSL Cards - by N6QQ and N6HC

QSL cards for new DXCC awards and endorsements may be checked by an approved DXCC Card Checker. This program applies to any DXCC award for an individual or station. Awards available can be found in Section I: Basic Rules, [Rule 1](#).

### 1) Entities Eligible for Field Checking:

With an exception for 160 meters, cards for all current and deleted entities dating back to November 15, 1945 can be checked. Cards for 160 Meters can only be checked by card checkers who currently hold an active 160 Meter DXCC. Check out the complete list of [DXCC 160 Meter Card Checkers](#).

## CQ AWARDS

**CQ Awards except 160 Meter WAZ, Digital WAZ, 6 Meter, Satellite, EME and 5BWAZ endorsements and new 5BWAZ applications with 170 or more zones.**

**Both Arnie, N6HC, and I can check cards.**

If you live in Orange County, Arnie would be happy to check cards for both ARRL and CQ.

If like to contact me, call me at 562-404-1112 or [n6qq@msn.com](mailto:n6qq@msn.com)

## ZERO SUNSPOTS

On July 17th, for the first time in nearly 3 years, the sunspot number dropped to zero. Is Solar Max finished?



## NC1L INJURED

The following news is from K5FUV, Bill Kenamer. Feel free to pass this on to your DX friends and clubs.

"DXCC Manager Bill Moore, NC1L, was seriously injured in an automobile accident about two weeks ago. His neck was broken, leaving him paralyzed from his upper body down, with limited movement of his arms. Recovery will be difficult and slow, and is not expected to be total. Bill would like to hear from his friends. He is currently in the Mount Sinai Rehab Hospital in Hartford, but cards and well wishes should be sent to 92 Reservoir Rd, Newington, CT 06111".

Friday K5FUV, Bill Kenamer, and I visited Bill at the rehab hospital. We spent a few minutes with NC1L, Bill, who was extremely glad to see us. I gave him one of the ARRL Centennial Convention coins and told him how successful the event was going. He was very happy to hear the news and the greetings from his friends. Bill's sister-in-law Gina was there in the hospital and asked us to tell Bill's friends that he would love to hear from them. So if possible let's all show Bill our love and concern for our dear friend by sending him our QSL with good wishes. I know Bill and the family would greatly appreciate your thoughts and prayers during this difficult time.

Bill Moore  
92 Reservoir Road  
Newington, CT 06111

73  
Bernie, W3UR/1  
Hartford, CT  
Bernie McClenny, W3UR  
Editor of The Daily DX, The Weekly DX and How's DX?



# Letters to the Editor

Please email anything you want to say to the club membership to [K6QU@SCDXC.org](mailto:K6QU@SCDXC.org)

Thanks!

Copy of an email to Marilyn and Skip Bolnick from Irene, widow of Edgar K6OU

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Dear Marilyn & Skip,

Yesterday at 8:00a.m. was a day I will never forget!

I went to the Santa Clarita Amateur Radio Club to take the test for the Extra Class.

Forgot my pencils and pens. Now I am a calligrapher. How could I forget my tools?! That never crossed my mind. So I went into this empty room which filled with eleven more people taking the test! Soon I asked for pencils and was given more than I needed. Well, eleven people finished and I was alone. Then a VE came in to get me to take me to another room. I was scared!!! There was so much quietness... It looked serious and I got scared. Then I heard:

"Congratulations you are now an Extra Class License Operator. Only 10% of HAMS become Extras! You did it! You did the work and now all we need you to do is sign it and it is legitimate! (I cried and told them I could hug them all! And I did twice!) Just don't get any tears on the paper!" The Heavenly Father heard my cry. What a blessing...I cried prayed and hugged all the VE's twice! They were so kind and helpful, and I thanked them as the room was full of happy laughter !

I called my sons and this has been a blessed day in my life! I shall never forget the power in that room with this hobby. I shared Edgar's life with them and him introducing me to something I had never heard of before we got married "HAM RADIO!". I know Edgar was standing behind me and God standing behind him...I feel so blessed.

Many blessing to you and your sweet family,

Love, Irene KF6RNX / AE & Family

P.S. I am still pinching myself!!!

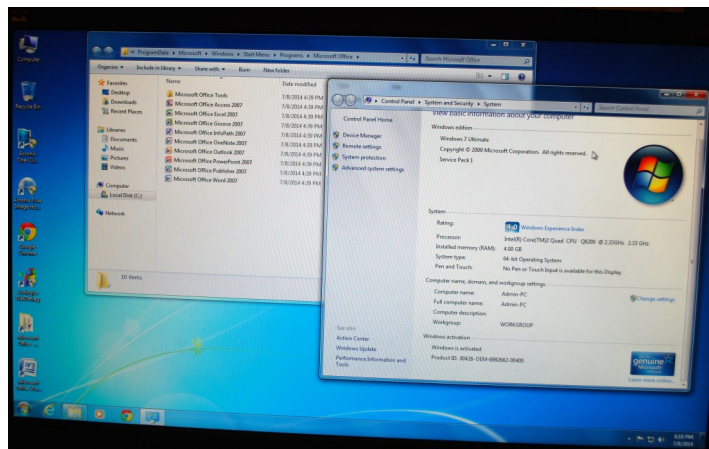


# Equipment Wanted/for Sale

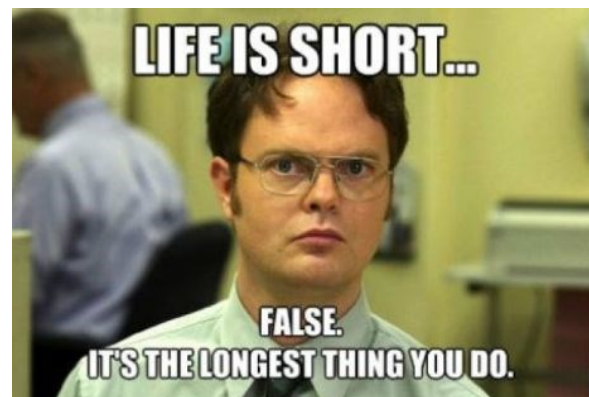
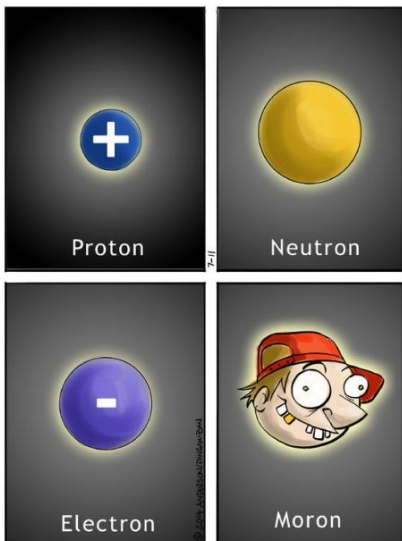
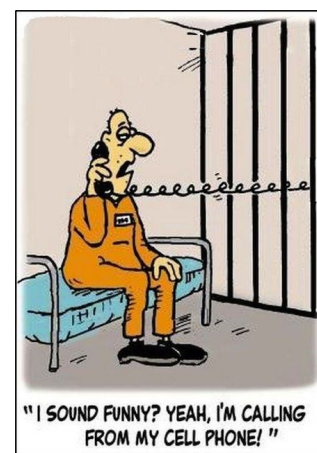
Please email information about any ham radio related equipment you are looking for or would like to sell to [K6QU@SCDXC.org](mailto:K6QU@SCDXC.org). Include pictures if you can.

Thanks!

Dell Vostro 420 Computer: Intel Core2 QUAD, (2.33 GHz X 4), 4 Gb RAM, 250 Gb HDD, Windows 7 64 bit, Office 2007 Enterprise, etc. etc. Includes software for cloning hard drives in case you want to replace the hard drive with a larger one. Computer will take up to 8 Gb of PC2-6400 RAM but it is plenty fast enough as-is. Includes an HP 20" LCD monitor, mouse, keyboard and cables. A low mileage pc. \$200.00



Contact [K6QU@SCDXC.ORG](mailto:K6QU@SCDXC.ORG)





## Kenwood TS-850S

This is a clean, looks like new radio which works 100% correctly and is one of the best "Flagship" models produced by Kenwood. It has been used sparingly and all pieces are cosmetically 9++ out of 10. Includes the factory SSB filter, no other extras except for the built in antenna tuner, original manual, and power cable. \$650



## Kenwood DSP-100

It was designed to limit audio passband, shape cw, and "clean up" transmitted and received SSB signals. It does a great job at setting hi-cut and lo-cut audio passbands. Received SSB signals sound "cleaner" and less rough around the edges. Definite noticeable difference. Transmitted audio is also cleaner. Unwanted sideband is suppressed into nothingness when switched on in transmit. If you own a TS-850 and want to make the best of it in terms of a great sounding clean signal, then this will do it. \$350



If you want both units together, I will make the combined price \$900 Contact Johnathan Fox, KT6LA, [KT6LA@yahoo.com](mailto:KT6LA@yahoo.com) or 818-707-9133

I also have two Bird watt-meters for sale: Slugs sold separately. The meters and their carrying straps are in very good condition. Bird meter #1 has a BNC input and type N connector output - adapters will be included for UHF in/out \$115. Bird meter #2 has UHF in and out connectors \$125

The six slugs available at this time are:

- 25-60 MHz, 500W
  - 25-60 MHz, 10W
  - 2-30 MHz, 250W
  - 25-60 MHz, 10W
  - 100-250 MHz, 25W
  - 100-250 Mhz, 500W
- All Slugs are \$35.



Contact Johnathan Fox, KT6LA, [KT6LA@yahoo.com](mailto:KT6LA@yahoo.com) or 818-707-9133





## CONTESTS

**John Schroeder, N6QQ,**  
**Director – Southern California DX Club**  
[n6qq@scdxc.org](mailto:n6qq@scdxc.org)

August - Lots of RTTY activity

10-10 Int. Summer Contest SSB -- Aug 1 - Take a look to see if any openings

NAQP QSO Party CW - Aug. 2-3—Lots of state-side Q's

WAE DX Contest CW - Aug 9-10

SARTG WW RTTY Contest - Aug 16-17—Lots of action for a RTTY contest

NAQP QSO Party SSB - Aug 16-17

ARRL Rookie Roundup RTTY - Aug. 25—Work a few newbies

SCC RTTY Contest Championship - Aug 30-31

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Did you notice on July 16 - zero sunspots ?

From K7RA column

SB PROP ARL ARLP029  
ARLP029 Propagation de K7RA

Solar activity is suddenly weakening, and yesterday, Thursday, July 17 the daily sunspot number was zero. We had no other zero sunspot days so far this year, none last year or in 2012, and only two in 2011, on January 27 and August 14.

We had 48 days with a sunspot number of zero in 2010 (although Spaceweather.com reports 51 days, and they may be correct), and 260 days with a daily sunspot number of zero in 2009. 2008 had 239 spotless days, and 2007 had 152 days with zero sunspots.

Just to revisit the deep trough of solar inactivity we emerged from a few years ago, 2006 had 70 spotless days, 2005 had just 17 days with no spots and 2004 saw only four spotless days. Prior to that we have to look way back to the twentieth century to 1998 to find any spotless days, (three) and 1997 had 57 days with zero sunspots.

We have not seen any new sunspot regions emerge since July 10 and 11, when there was a new one each day. On July 8 two new regions appeared. Prior to that we saw a new sunspot region appear each day, from July 1 to 6.

The short term outlook for solar flux shows a flux value of 90 on July 18 to 21, 95 on July 22 to 24, then 105, 115, 125, 135 and 140 on July 25 to 29, 145 on July 30 and 31, then it peaks at 155 on August 2, then drops to a minimum of 95 again on August 16 and 17.

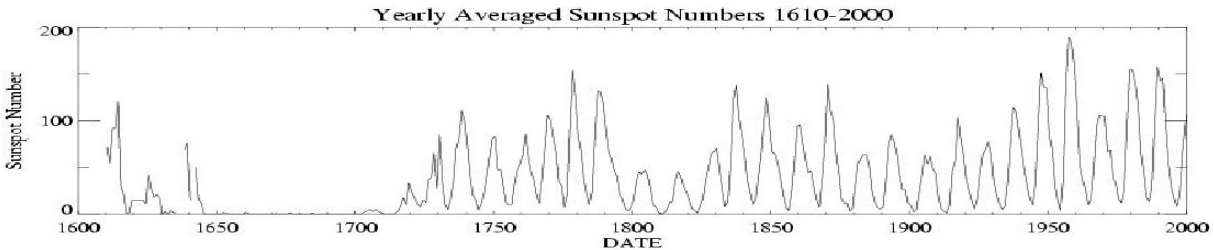
The same forecast shows planetary A index of 5 on July 18 to 20, 8 on July 21 and 22, 5 on July 23, 8 on July 24, 5 on July 25, 8 on July 26, and 5 again on July 27 through August 9.

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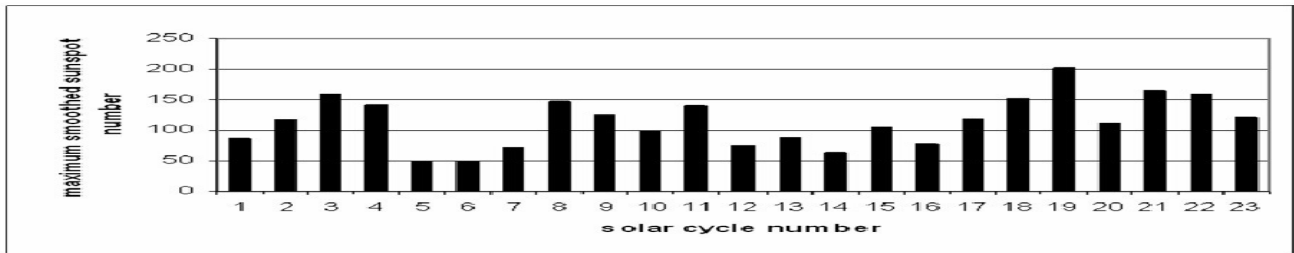
## A Look at All Twenty Three Solar Cycles

Carl Luetzelschwab K9LA

Although we've observed sunspots for several thousand years, it wasn't until the middle of the 18<sup>th</sup> century that Hendrick Schwabe discovered that sunspots come and go in roughly 11-year cycles. Shortly after Schwabe's discovery, Rudolph Wolf devised a mathematical expression that created a common standard to count sunspots, resulting in data for 23 solar cycles. A form of that data is plotted in the figure below.



If you're wondering why Cycle 19 doesn't reach 201 (which was its maximum smoothed sunspot number), note that what is plotted is the yearly averaged sunspot numbers, not the maximum smoothed sunspot numbers. You can see the long-term cyclic nature of sunspot cycles in this plot. But let's plot the maximum smoothed sunspot number of each cycle. It will make this cyclic nature a bit more obvious.



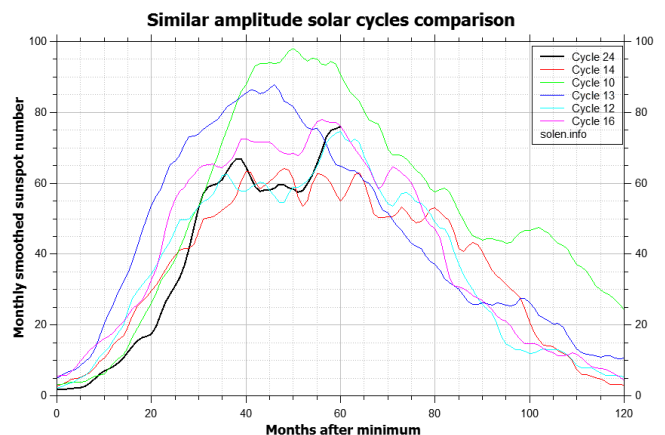
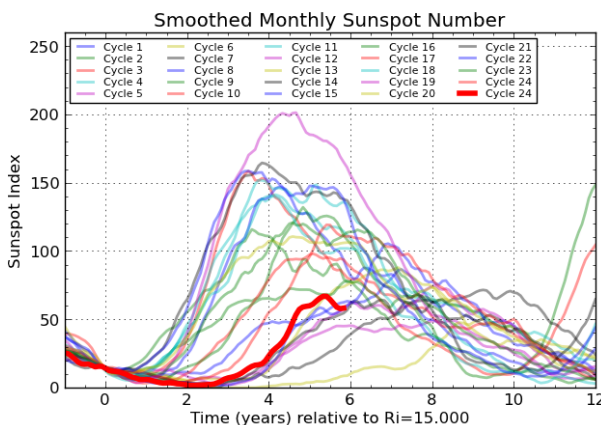
One observation from this data is that there have been three long-term periods of higher sunspot activity and two long-term periods of lower sunspot activity.

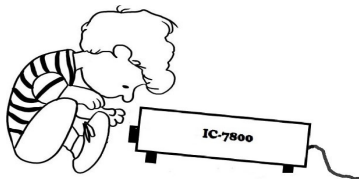
A second observation from the data is that we have lived through the highest period of the three higher periods. How fortuitous it was that radio came along at the beginning of this highest period.

A third observation is that we appear to be headed for another long-term period of lower solar activity. Although what Cycle 24 will do is still debated, I believe that scientists will have a single consensus for Cycle 25, it will be low, followed by several more low ones.

Of course the past history of the Sun may not be a good predictor of future activity (sounds like the caveat for investing in the stock market, doesn't it? Not only don't we fully understand the solar cycle process, we only have a couple hundred years of data for a process that has likely been going on for thousands or millions of years. a small sample size indeed.

The moral here is that if you're going after any awards on the higher bands (10m DXCC, for example) you may want to hit those bands really hard during Cycle 24. It may be very tough if you wait until Cycle 25.





Get Schroeder!

# LET'S GET SCHROEDER CONTEST

The SFI is definitely dropping as noted in several places in the BULLETin. What was not noted is that the second highest SFI of this cycle was recorded last month! What does this all mean? Well the

back end of a cycle is notorious for

large spontaneous geomagnetic activity. If it happens during the right season (e.g. Fall through Spring) there are some phenomenal openings. However in the average it means things are on the decline and this may be the end of a great era! For some of us it is our last cycle. Possibly for all of us it may be the decline of amateur radio DXing as the predictions indicate we are entering a prolonged period of low solar activity. Well... there is always the low bands. Time to by some large property in a quiet locale!

As you can see the standings have stagnated too! When you work everything it happens! 264 entities this year is something to talk about! Here are the 22 members above 100!

## 2014 Get Schroeder StandingsZ

Total Entities Worked by Members: 264

Rank	Call	Entities	Missed	-QQ	Uniques
1	NS6C	250	14	-1	1
2	N6QQ	249	15	0	1
3	WB6BFG	223	41	26	0
4	N6RV	221	43	28	0
5	K0OK	208	56	41	1
6	W6ENZ	201	63	48	1
7	W6DR	192	72	57	1
8	N6HY	189	75	60	0
9	W8DX	185	79	64	0
10	AI6Z	179	85	70	0
11	AC6DX	171	93	78	0
12	N6VNI	157	107	92	0
13	WB6PSY	147	117	102	0
14	N6GP	139	125	110	0
15	K6FG	137	127	112	0
16	KT6LA	124	140	125	0
17	K6YUI	124	140	125	0
18	ZL3TE	123	141	126	0
19	KR6C	122	142	127	0
20	W6QE	120	144	129	0
21	NQ6L	115	149	134	0
22	NK6A	105	159	144	0

## SCDXC GET SCHRODER STANDINGS 2014

Rank	Call	160	80	60	40	30	20	17	15	12	10	6	Total	Slots	Yrs
1	NS6C	0	27	0	52	76	103	104	97	118	100	5	250	682	47
2	N6QQ	5	30	0	121	115	218	201	207	165	198	7	249	1267	57
3	WB6BFG	1	9	0	19	38	110	129	102	132	111	6	223	657	7
4	N6RV	6	19	0	85	7	135	34	147	47	142	8	221	630	46
5	K0OK	0	9	0	16	18	35	42	77	57	103	6	208	363	42
6	W6ENZ	0	15	0	51	41	84	121	63	79	97	8	201	559	40
7	W6DR	23	58	0	112	35	136	39	135	20	115	4	192	677	34
8	N6HY	10	38	0	68	44	81	59	71	72	87	5	189	535	61
9	W8DX	1	23	0	39	34	103	66	52	35	58	1	185	412	57
10	AI6Z	3	6	0	11	19	43	22	26	16	105	0	179	251	21
11	AC6DX	0	2	0	18	8	14	16	22	53	155	2	171	290	7
12	N6VNI	1	23	0	12	11	53	26	63	19	97	2	157	307	25
13	WB6PSY	0	0	0	0	0	0	0	0	0	147	0	147	147	37
14	SM5GMZ	39	43	0	55	7	81	17	82	24	63	0	139	411	45
15	N6GP	1	18	0	43	1	49	7	74	16	124	8	139	341	25
16	K6FG	2	10	0	25	19	56	49	17	56	43	9	137	286	58
17	KT6LA	0	20	0	20	0	57	1	107	0	82	0	124	287	8
18	K6YUI	2	5	0	4	24	13	35	28	42	50	3	124	206	57
19	ZL3TE	0	7	0	39	32	69	38	63	25	43	0	123	316	10
20	KR6C	1	1	0	2	9	50	18	44	18	54	0	122	197	36
21	W6QE	0	4	0	8	0	52	3	41	0	92	0	120	200	0
22	NQ6L	0	0	0	0	0	47	0	88	1	78	0	115	214	7
23	NK6A	0	0	0	22	1	64	3	71	1	82	0	105	244	33
24	K6DXA	0	0	0	0	0	0	0	0	0	79	0	79	79	1
25	K6DSW	1	0	0	22	0	42	5	17	10	51	2	75	150	7
26	K6DDJ	0	2	0	22	0	24	0	32	0	63	0	73	143	19
27	W6SR	2	0	0	6	5	8	4	12	25	20	0	72	82	47
28	N6DHZ	0	2	0	2	0	33	18	17	10	5	2	62	89	26
29	K7MY	0	0	0	3	1	16	4	41	5	35	0	58	105	37
30	KK6FJQ	0	0	0	0	0	0	0	0	56	0	0	56	56	1
31	N6MXU	2	4	0	6	6	9	11	11	19	14	2	55	84	28
32	K7LA	0	0	0	0	0	1	5	45	9	10	0	53	70	14
33	ZM3T	0	0	0	0	0	35	0	0	0	33	0	51	68	4
34	W6ZPL	0	1	0	0	0	9	8	23	2	23	0	51	66	16
35	KM6HB	3	4	0	8	14	12	12	11	17	14	4	50	99	23
36	W6VX	2	3	0	3	2	5	2	6	5	5	0	15	33	35
37	K6IRD	0	0	0	2	0	1	5	3	3	0	0	12	14	10
38	N6WIN	2	3	0	4	0	7	0	7	0	6	0	10	29	25
39	W6MPB	0	1	0	0	0	7	1	3	0	0	0	10	12	12
40	KD6HYN	0	1	0	2	0	4	1	1	0	1	0	6	10	20
41	NT6X	0	0	0	0	0	5	0	0	0	0	0	5	5	6
42	W6IRD	0	0	0	2	0	1	2	0	0	0	0	4	5	45
43	K6NQY	0	0	0	0	0	0	0	0	0	0	1	1	1	0

## To Date Entity Matrix

Standings Column Description	
Rank:	Position in the standings
Call:	If you do not know your call look for the one that seems familiar to you.
Count:	Number of DXCC entities worked this year.
Short:	Number of entities missed that others worked
-QQ:	Difference in count between Call and N6QQ
Unique:	Entities only worked by that member
Entity Matrix	
Green:	Worked by SCDXC Member
Yellow:	Not Worked

1A0	4S	7Q	A3	CE9	E7	FK	GI	HS	KH0	LY	PJ5	SV9	TU	VK9C	VU	YV
1S	4U1TU	7X	A4	CN	EA	FK/C	GJ	HV	KH1	LZ	PJ7	T2	TY	VK9L	VU4	YV0
3A	4U1UN	8P	A5	CO	EA6	FM	GM	HZ	KH2	OA	PY	T30	TZ	VK9M	VU7	ZZ
3B7	4W	8Q	A6	CP	EA8	FO	GU	I	KH3	OD	PY0F	T31	UA	VK9N	XE	Z3
3B8	4X	8R	A7	CT	EA9	FO/A	GW	IS0	KH4	OE	PY0S	T32	UA0	VK9W	XF4	Z8
3B9	5A	9A	A9	CT3	EI	FO/C	H4	J2	KH5	OH	PY0T	T33	UA2	VK9X	XT	ZA
3C	5B	9G	AP	CU	EK	FO/M	H40	J3	KH5K	OH0	PZ	T5	UJ	VP2E	XU	ZB2
3C0	5H	9H	BS7H	CX	EL	FP	HA	J5	KH6	OJ0	R1F	T7	UN	VP2M	XW	ZC4
3D2	5N	9J	BU	CY0	EP	FR	HB	J6	KH7K	OK	S0	T8	UR	VP2V	XX9	ZD7
3D2/C	5R	9K	BV9P	CY9	EP	FR/G	H80	J7	KH8	OM	S2	TA	V2	VP5	XZ	ZD8
3D2/R	5T	9L	BY	D2	ES	FR/J	HC	J8	KH8S	ON	S7	TF	V3	VP6	YA	ZD9
3DA	5U	9M2	C2	D4	ET	FR/T	HC8	JA	KH9	OX	S7	TG	V4	VP6/D	YB	ZF
3V	5V7	9M6	C3	D6	EU	FS	HH	JD1/M	KL7	OY	S9	TI	V5	VP8	YI	ZK3
3W	5W	9N	C5	DL	EX	FT5W	HI	JD1/O	KP1	OZ	SM	TI9	V6	VP8/G	YJ	ZL
3XA	5X	9Q	C6	DU	EY	FT5X	HK	JT	KP2	P2	SP	TJ	V7	VP8/H	YK	ZL7
3Y/B	5Z	9U	C9	E3	EZ	FT5Z	HK0/M	JW	KP4	P4	ST	TK	V8	VP8/O	YL	ZL8
3Y/P	6W	9V	CE	E4	F	FW	HK0/S	JX	KP5	P5	SU	TL	VE	VP8/S	YN	ZL9
4J	6Y	9X	CE0X	E5/N	FG	FY	HL	JY	LA	PA	SV	TN	VK	VP9	YO	ZP
4L	70	9Y	CE0Y	E5/S	FH	G	HP	K	LU	PJ2	SV/A	TR	VK0H	V09	YS	ZS
40	7P	A2	CE0Z	E6	FJ	GD	HR	KG4	LX	PJ4	SV5	TT	VK0M	VR	YT	ZS8



# ClubLog Lifetime Standings

Here is the SCDXC DXCC Standings including deleted countries from ClubLog. We are going through the process of purging non-members from the SCDXC Club League on Club Log. The listing below shows all the members to date on our Club League. If you are on ClubLog and registered with SCDXC Club League and are a member showing up on the list in Clublog let us know. We are working from the current roster. If you are not on Club Log then get on and sign up for SCDXC Club League. You will then see your call in our standings!

SCDXC DXCC STANDINGS 2014															
Rank	Call	160	80	60	40	30	20	17	15	12	10	6	Total	Slots	Years
1	K6YUI	129	200	0	311	306	362	329	341	309	323	12	365	2622	57
2	W6SR	178	267	0	321	295	351	316	344	283	329	62	358	2746	47
3	K6FG	144	237	0	329	327	351	332	338	312	325	32	355	2727	58
4	N6RV	64	153	0	264	89	341	117	307	64	265	74	355	1738	46
5	W8DX	38	246	0	333	298	347	320	330	256	305	6	352	2479	57
6	N6QQ	55	117	0	268	225	342	277	305	214	261	7	351	2071	57
7	WB6PSY	1	26	0	20	0	217	0	159	0	345	0	349	768	37
8	W6IRD	1	10	0	29	1	331	57	81	28	101	1	348	640	45
9	W6VX	163	250	0	317	295	344	329	319	298	309	9	347	2633	35
10	KR6C	128	130	0	206	166	303	208	257	164	177	1	343	1740	36
11	N6HY	126	198	3	293	279	332	302	298	240	246	23	341	2340	61
12	W6ENZ	3	88	0	252	220	300	278	261	268	224	7	341	1901	40
13	SM5GMZ	134	167	0	260	217	307	219	280	193	223	22	339	2022	45
14	KM6HB	7	133	1	188	105	290	177	276	176	237	13	335	1603	23
15	W6ZPL	3	107	0	168	11	301	161	252	113	204	0	334	1320	16
16	AI6Z	14	178	0	230	238	265	245	240	247	215	0	329	1872	21
17	N6MXU	24	36	0	132	51	259	114	197	63	176	3	321	1055	28
18	K0OK	8	133	0	195	152	217	209	212	188	194	7	319	1515	42
19	NS6C	11	119	0	218	183	290	239	232	214	183	7	317	1696	47
20	W6DR	78	103	0	182	93	269	86	229	53	194	5	316	1292	34
21	AC6DX	28	127	1	242	129	298	210	229	194	246	6	312	1710	7
22	N6WIN	25	121	0	210	139	263	195	231	132	196	1	310	1513	25
23	WB6BFG	21	79	0	144	178	289	260	266	221	189	12	308	1659	7
24	N6DHZ	3	93	1	104	9	236	116	174	86	208	14	293	1044	26
25	N6VNI	4	54	0	119	65	252	181	213	162	181	6	289	1237	25
26	N6GP	9	155	0	182	115	241	140	198	131	175	7	286	1353	25
27	ZL3TE	20	56	0	202	143	240	125	206	97	167	0	282	1256	10
28	K6IRD	0	3	0	28	0	207	94	117	42	95	0	275	586	10
29	KT6LA	0	65	0	123	16	195	114	207	52	163	0	266	935	8
30	NK6A	0	5	0	17	11	153	8	134	2	50	0	253	380	33
31	K7MY	0	11	0	62	23	184	112	162	75	112	4	252	745	37
32	NQ6L	0	5	0	30	0	124	2	104	1	27	2	171	295	7
33	NT6X	9	12	0	126	7	125	6	101	3	36	1	169	426	6
34	K6DDJ	0	3	0	23	2	58	3	123	0	56	0	157	268	19
35	KD6HYN	0	1	0	21	0	75	4	57	0	65	0	148	223	20
36	K7LA	1	5	1	13	0	70	34	95	29	39	0	137	287	14
37	K6DXA	0	0	0	0	0	0	0	0	0	115	1	115	116	1
38	K6DSW	1	0	0	35	0	56	6	38	7	62	2	96	207	7
39	KK6FJQ	0	0	0	0	0	0	0	0	0	94	0	94	94	1
40	N6RRY	0	5	0	22	1	43	3	24	8	18	1	70	125	25
41	W6MPB	1	3	0	6	4	27	5	26	3	19	1	54	95	12

# Upcoming Important DXpeditions and more

The only really rare DXpedition announced so far this year is **FT4TA, Tromelin** which will be activated by a group headed by F5UFX. It is scheduled for October 30 to November 10, and is number 9 on the most wanted list. Early in 2016 a large group will activate **VK0, Heard Island**.

<http://www.clublog.org/mostwanted.php>.

**Blue Information** indicate particularly rare entities and **Red information** indicate SCDXC member attended DXpedition.

## Useful DX Sites

The Daily DX

[www.dailydx.com/](http://www.dailydx.com/)

Announced DX Ops

[www.ng3k.com/misc/adxo.html](http://www.ng3k.com/misc/adxo.html)

DX Coffee

<http://www.dxcffee.com/eng/>

DXing.info

[/www.dxing.info/dxpeditions/](http://www.dxing.info/dxpeditions/)

DX 425 News

[www.425dxn.org/dxped/](http://www.425dxn.org/dxped/)

Dx-info.de

[www.dx-info.de](http://www.dx-info.de)

DX Italia DX News

[www.mario12mqp.it](http://www.mario12mqp.it)

DH9SB Weekly DX Calendar

<http://www.dx-info.de>

N0HR DXpedition Map

[www.n0hr.com/wk34/](http://www.n0hr.com/wk34/)

The DX Zone

[www.dxzone.com/catalog/DX\\_Resources/](http://www.dxzone.com/catalog/DX_Resources/)

Call	QTH	Start Date	End Date	Information	
9N7MM	Nepal	Now	Sept+	W7WNN	
C21BN	Nauru	Now	Aug 16	JH1NBN	QSL via home call
D2SG	Angola	Now	Dec 31	MM0SSG	QSL via GM4FDM
DP0GVN	Antarctica	Now	Feb 2015	DL1HB	QSL via DL5EBE
TK4QL	Corsica	Now	Oct	F4FJZ	QSL via home call direct and bureau
V29SH	Antigua	July 26	Aug 8	VE6SH	QSL via home call direct and LoTW
V47JA	St. Kitts	Now	Aug 6	W5JON	
VP2ERM	Anguilla	Now	Aug 3	K3TRM	QSL via home call direct and bureau
XW6OU	Laos	Now	TBA	AG6OU	QSL via E21EIC
VK9EC	Cocos Keeling	July 29	Aug 2	By JA3FVJ JA3QWN JA3TJA JF3PLF JH3FUK fm OC-003 (NH87jt); 160-6m; SSB FM CW RTTY PSK31	QSL via JF3PLF, Bureau or direct and Club Log SEE <a href="http://vk9.nobody.jp/">http://vk9.nobody.jp/</a>
4W	Timor Lesete	July 31	Aug 5	By NB3MM as 4W/NB3MM; 30-12m; mainly SSB, some CW and PSK31; vertical	QSL via IZ8CCW or YB3MM (direct only)
VK9EX	Christmas Isl	Aug 02	Aug 9	By JA3FVJ JA3QWN JA3TJA JF3PLF JH3FUK fm OC-002 (OH29In); 160-6m; SSB FM CW RTTY PSK31	QSL via JF3PLF, Bureau or direct and Club Log SEE <a href="http://vk9.nobody.jp/">http://vk9.nobody.jp/</a>
VQ9XR	Diego Garcia	TBA	TBA	N7XR will be making two 3 week trips, the second operation with N6MZ. Scheduling to be announced.	QSL via NN1N
XX	Macau	Oct 22	Nov 1	A group of EA ops	EB7DX
ZC4	UK Base	Now	Aug	AG6IP as ZC4MIS	AG6IP

# DX ACCOMPLISHMENTS

Celebrate the Successes of Our Fellow Members!

We have transitioned to ClubLog for all DX standings. As long as I receive automated emails I will post the updates. If you need help getting on ClubLog even getting your log into one of the many logging programs contact us and we will help.

Call	DXCC	WAZ
W6BCQ	365 / 340	280 / 200
W6DOE		39 / 39
WB6PJC	157 / 157	

## SCDXC WAZ and DXCC Standings (N6RV)

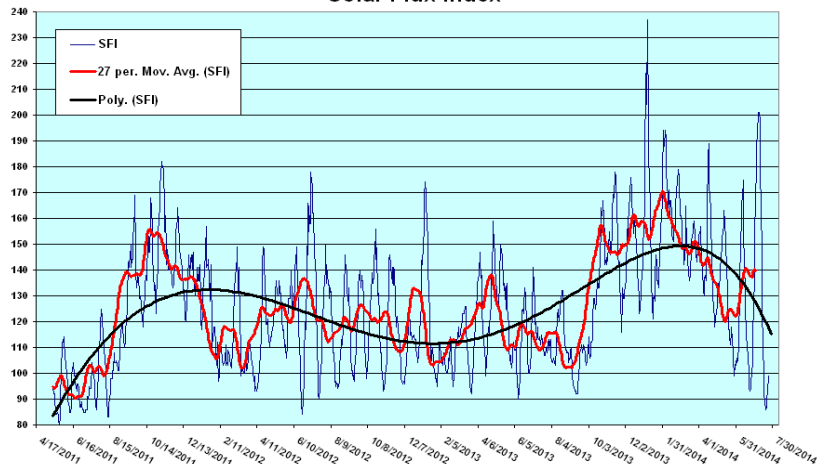
The first WAZ column is the confirmed zone count on 10 bands 160 - 6 (less 60 meters). The second column is the regular 5BWAZ confirmed count. The following are the codes that follow the two columns and indicate the awards:

M	Mixed
P	Phone
C	CW
R	RTTY
S	5 Band

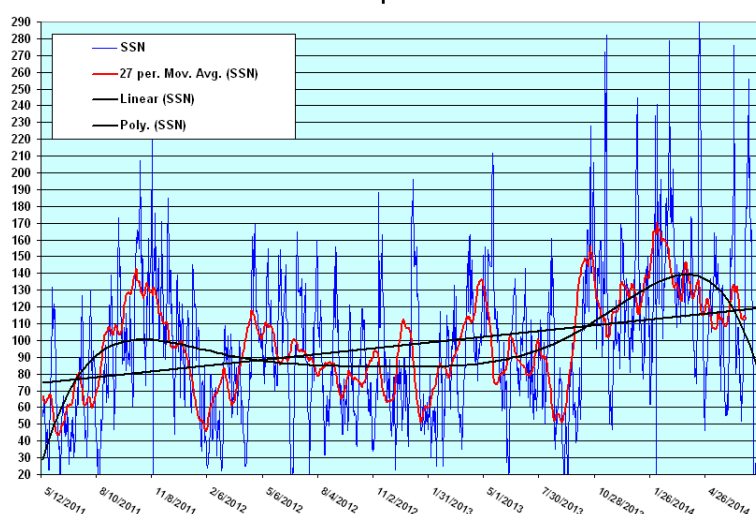
The first DXCC column is the confirmed entity count with deleted countries. The second column is the confirmed current entity count. Those in **tan** are at the top of the current honor roll.

If you have any information to post please go to the on-line webform and update your standing:  
<http://www.scdxc.org/dx-update.html>

Solar Flux Index



Sunspot Number



## WAZ STANDINGS

	10B / 5B	Awards
K6ND	378 / 200	M/5
W6SR	373 / 200	M/P/C/I/5
K6FG	363 / 197	M/P/C/R/5
EU7A	360 / 200	M/5
WA5VGI	357 / 200	M/P/C/5
W8DX	357 / 200	M/5
N6AW	355 / 200	M/P/C/5
K6YUI	349 / 192	M/P/C/R/5
K6YRA	290 / 200	P/5
W6BCQ	280 / 200	M/P/5
WD6L	248 / 200	M/P/5
N6OU	220 / 200	M/5
K6UNR	/ 200	M/P/5
W6VX	352 / 199	
NS6C	198 / 198	
K6GXD	369 / 197	M
SM5GMZ	353 / 196	M/P/C
W6ENZ	315 / 195	
AI6Z	315 / 193	
N6MXU	155 / 193	
K2PLF	191 / 191	
N6RV	308 / 188	M/P/C
KC6X	294 / 187	M/P/C/5
N6QQ	325 / 186	M/P/C/R
K6LD	314 / 186	M/P/C
W6YOO	308 / 185	M/P/C/5
KH6DX/m	210 / 184	
K0OK	286 / 173	
K6SY	246 / 173	P
W6ZPL	237 / 173	M/P
KJ6Y	261 / 172	
KR6C	295 / 171	M/C
N6DHZ	234 / 161	P
AD6KQ	226 / 164	
K6KII	191 / 177	M
KH6MB	181 / 174	
SM5GMZ	265 / 166	M/5
W6DR	227 / 159	
NK6A	152 / 152	M/5
WA6BOB	152 / 136	M
W6IRD	151 / 111	M/P
W5DQ	161 / 122	
KT6LA	155 / 125	
K6IRD	154 / 126	M/P
WB6PSY	139 / 140	P
N6HE	130 / 138	
W3SE	102 / 112	
K6IRA	118 / 102	
K6VC	96 / 96	P
W6EA	92 / 86	
K7LA	111 / 84	
N6UC	78 / 78	M
KA6TTV	82 / 67	
N6VNI	86 / 64	
N6RRY	85 / 65	
N6GIL	49 / 43	
W6DCK	40 / 40	P
K6JW	40 / 40	M/P
K6YR	39 / 39	
W6DOE	39 / 39	
NZ6L	36 / 36	
W4EF	29 /	
KK6FJQ	25 / 25	
N6AWD		M
N6HC		M/P/C
KB6KTV		P
W6OES		M
K8RD		C

## DXCC STANDINGS

K6KII	387 / 340
JA1BK	377 / 338
K6YRA	376 / 340
K6EXO	370 / 338
N6UC	367 / 340
W6BCQ	365 / 340
K6YUI	365 / 340
K6IPV	362 / 340
NS6C	360 / 340
W6HT	358 / 338
W6SR	358 / 340
WA6WZO	357 / 340
K8RD	356 / 340
K5KT	355 / 340
N6AW	355 / 337
K6FG	355 / 340
K6GXD	355 / 340
N6RV	355 / 339
K2PLF	354 / 340
WB8X	353 / 340
W6IRD	352 / 336
W6OES	351 / 334
WA6UG	350 / 340
N6QQ	350 / 334
W6YOO	349 / 340
KC6X	349 / 340
W6KK	348 / 340
W6VX	348 / 340
WA5VGI	348 / 340
N6AWD	348 / 338
WB6PSY	348 / 337
K6ND	347 / 340
EU7A	347 / 339
W6OM	347 / 337
W6ENZ	347 / 338
AI6Z	347 / 335
N6HC	345 / 337
K6LD	344 / 338
KR6C	343 / 338
W6DCK	342 / 336
K6UNR	341 / 337
KB6KTV	340 / 335
N6MG	339 / 331
SM5GMZ	339 / 330
N6OU	338 / 330
N6HY	333 / 329
K2IXQ	333 / 329
AD6KQ	328 / 328
KM6HB	332 / 327
W6FL	328 / 315
KJ6Y	327 / 323
W6ZPL	317 / 317
K6SY	312 / 310
K0OK	310 / 308
K6JW	309 / 304
N6GP	308 / 303
W6HB	303 / 295
N6MXU	301 / 297
WD6L	295 / 295
NK6A	295 / 270
N6DHZ	292 / 288
K6IRA	286 / 286
W6DR	282 / 278
K6DJ	281 / 279
WA6WXD	275 / 272
K6DJ	274 / 272
K7MY	272 / 270
N7CQQ	268 / 266
K6VC	267 / 264
KT6LA	264 / 262
K6IRD	260 / 250
N6WIN	258 / 253
K6YR	244 / 244
W3SE	240 / 237
K6HCJ	235 / 235
W5DQ	225 / 220
N6VNI	223 / 223
KN6VF	223 / 223
ZL3TE	222 / 220
W6DOE	218 / 216
W6WVW	206 / 204
K6LX	204 / 204
WA6BOB	202 / 198
N6HE	192 / 185
N6RI	189 / 180
WB6PJC	157 / 157
W6EA	152 / 152
K6DDJ	152 / 152
KA6TTV	149 / 149
K6DJ	149 / 149
W6QE	148 / 148
K6OGO	142 / 142
K7LA	137 / 137
W4EF	132 / 132
WA6NOL	127 / 130
N6CA	131 / 131*
KK6FJQ	113 / 113
N6RRY	74 / 74
NZ6L	27 / 27

\* Six Meters Only



# August Birthdays!

All the best and may you enjoy many more sunspot cycles!

**Jerry Robinson, K6AV**

**Carolyn Jacob, KE6BUH**

**Violet Barrett, W6CBA**

**Ron Resnick, W2DXX**

**Brad Enockson, W6EA**

**Paul Gussow, W6GMU**

**James Arnett, W6JEA**

**Norman Dickhoff, NQ6L**

**Sandra Garb, XYL N6MG**

**Bill Erickson, N6MXU**

**Richard Somers, W6NSV**

**Arthur Holub, K6OGO**

**Daniel Dankert, N6PEQ**

**Larry Shapiro, K6RO**

**Brad Part, W6TJI**

**Larry Kopriva, KN6VF**

**Barry Fitsheew, N6VOH**

**Dick Martin, W6WWW**

**Will Wolfshohl, KC6X**

# Ham Radio Programming

K6LCS GETS YOU ON THE AIR ASAP!

April, 2014

When Yaesu released the FT-60R **TEN YEARS** ago, it was seen as a great value in a handheld for new amateur radio licensees. So - while I was working for Ham Radio Outlet - Gordon West and I started "pre-programming" radios with local frequencies to get new hams on the air immediately with their new privileges.

Here we are in 2014 - ten years later - and that radio is **STILL** a great bargain. But there is still a need to "help" those new to the hobby get on the air quickly and painlessly ... especially with the release of several new handheld radios - many with instruction manuals NOT written for the U.S. market.

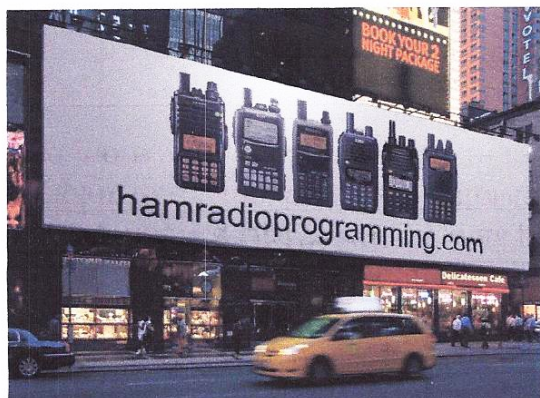
That is where **HamRadioProgramming.com** comes in. Using several online and private databases - as well as access to the FCC's ULS and ARRL club data - hams can send their radios to us and within three business days it will be returned via USPS Priority Mail programmed with scores of local repeaters, simplex freqs, maybe a ham satellite or two to work, local NOAA WX station - and more. A hard copy printout of their new programming is always included.

Please visit [www.HamRadioProgramming.com](http://www.HamRadioProgramming.com) and see how easy it is for hams to get their radios programmed! Enclosed are some cards that you can pass out. Web site visitors will find a **\$5 OFF** coupon they can thank **YOU** for!



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ARRL Legacy Circle member

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# Western Amateur Radio Association

## **NOW OFFERING AMATEUR RADIO VE TESTING SESSIONS**

**Contact V.E. George T. Jacob Jr. N6VNI**

**Phone Numbers: Home Phone 562 691 7898 Cell Phone 562 544 7373**

**Email: [jac2247@gmail.com](mailto:jac2247@gmail.com) Or [N6VNI@arrl.net](mailto:N6VNI@arrl.net)**

**Sponsoring Club: N6ME Western Amateur Radio Association,  
Fullerton, Ca. "WARA"**

**Test site location:**

**La Habra Community Center.  
101 W. La Habra Blvd.  
La Habra, Ca. 90631**

**Date and Times - Third Thursday of every month, @ 6 P.M. unless otherwise noted. Pre-Registration is requested and preferred. Walk-ins are welcome.**

### **2014 TESTING SESSIONS**

**Thursday, March 20<sup>th</sup> 2014 6p.m.**  
**Thursday, April 17<sup>th</sup> 2014 6p.m.**  
**Thursday, May 15<sup>th</sup> 2014 6p.m.**  
**Thursday, June 19<sup>th</sup> 2014 6p.m.**  
**Thursday, July 17<sup>th</sup> 2014 6p.m.**  
**Thursday, August 21<sup>st</sup> 2014 6p.m.**  
**Thursday, September 18<sup>th</sup> 2014 6p.m.**  
**Thursday, October 16<sup>th</sup> 2014 6p.m.**  
**Thursday, November 20<sup>th</sup> 2014 6p.m.**

### **On Exam Day Bring the Following Items**

1. A legal photo ID (driver's license, passport) or Two forms of non-photo ID; e.g., birth certificate, social security card, library card, utility bill or other business correspondence with name of the examinee as it appears on the Form 605 and current mailing address.
  2. Your Social Security Number (SSN) or FCC-issued Federal Registration Number (FRN).
  3. If applicable, the original and a photocopy of your current Amateur Radio license and any Certificates of Successful Completion of Examination (CSCE) you may have from previous exam session. (Photocopies will not be returned.)
  4. Two number two pencils with erasers, and a pen.
  5. A calculator with memory erased and formulas cleared (no iPhones, iPads, etc.).
- Test Fee: \$15.00 (cash or check).

**If you fail an element and wish to retake it, we are required to charge an additional test fee. If you pass an element, we typically offer and encourage you to take the next element. We do not charge an additional test fee for this and it gives you the opportunity to see what the next exam element is like!**



# Meet the 2014 SCDXC Board



**President  
Wayne Spring  
W6IRD**



**Vice President  
George Jacob  
N6VNI**



**Secretary  
Kris Jacob  
KC6TOD**



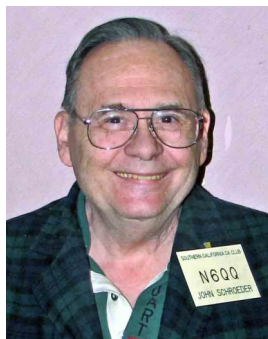
**Treasurer  
Cathy Gardenias  
K6VC**



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Sharon Spring  
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WU6D/K6VC



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Hours: \* Monday - Friday 9:00 AM - 5:00 PM PST

\*Saturday: Closed

\*Sunday: Closed